

ABSTRACT

The present invention provides a blade and a manufacturing method thereof adapted to maintain high wear resistance, high hardness, and relatively small specific gravity by using light alloy having a high hardness. A method for making a blade and
5 blade manufactured thereby according to the present invention comprises the steps of preparing a powder mixture having 40-80 weight % of Vanadium Carbide (VC) powder and 20-60 weight % of Cobalt (Co) powder out of a total of 100 weight %, wherein the VC powder and Co powder have a particle diameter of 100 μ m or less, respectively. A molded material is then obtained by packing the powder mixture into a mold and then
10 pressing it. Finally, the molded material is sintered at below 1500°C, wherein the molded and sintered material has a specific gravity of less or equal to seven.